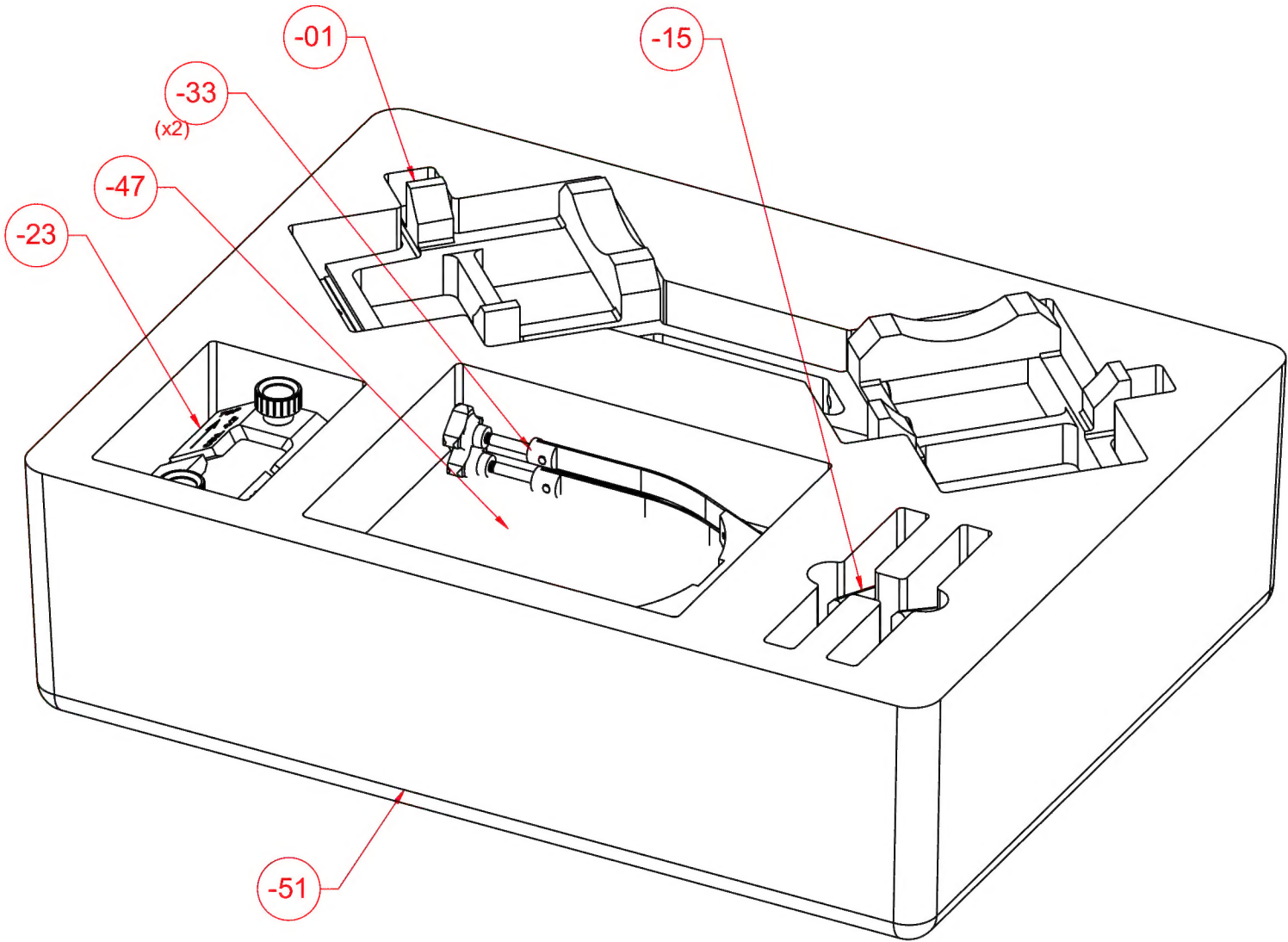


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	SHT. 1 CORRECTED PG #S, -37 FROM 304 TO 303, -49 FROM 1610 TO 1600, ADDED -55 TOP TOOL CUSHION. SHT. 9 UPDATED EXTERIOR DIMS. SHT. 10 ADDED TOP TOOL CUSHION.	6/3/2011	JAG	
2	ALL SHTS CHANGED FROM METRIC TO INCHES. SHT 2 ADDED TOP VIEW SHT 3. MODIFIED 2 RADII FROM R62 TO R62.5, R80.5 TO R81. RADII CENTERLINE IS ANGLED.	7/27/2011	JAG	SE
3	CH'D -07 BOLT HOLES FROM M5x1 (x4) PER R.W. ADDED -17 & -19 1 x 45° CHAMFER TO END, ADDED -37 HOLE CALL OUT M5x.8 PER G.E.	3/9/2012	RJC	GE




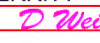
ASSY	QTY	QTY	QTY	QTY	B/O	PART #	UNIT	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
						-01	1	FRAME ASSEMBLY	-	-	2
						-03	-	LEFT FRAME	6061	2-3/8in. x 7in. x 7-3/8in.	3
						-05	-	RIGHT FRAME	6061	2-3/8in. x 7in. x 7-3/8in.	3
						-07	-	FRAME CONNECTOR	6061	7/8in. x 2-1/4in x 9in.	4
						-09	-	SPRING PLUNGER	DELTRIN NOSE	M6x1 x 20mm MCMaster-CARR #8281A142	2
						-11	-	DOWEL PIN	STEEL PLAIN	Ø 8mm x 20mm MCMaster-CARR #91595A452	2
						-13	-	SOCKET HEAD CAP SCREW	S.S.	M8x1.25 x 25mm MCMaster-CARR #91292A148	2
						-	-		-	-	
						-15	1 ea.	WEDGE ASSEMBLIES	-	-	5
						-17	-	25.4° WEDGE	6061	5/8in. x 2in. x 3-5/8in.	5
						-19	-	19.5° WEDGE	6061	5/8in. x 2in. x 3-5/8in.	5
						-21	-	WEDGE HANDLE	-	J.W. WINCO #8W63B68/C	5
						-	-		-	-	
						-23	1 ea.	SLIDE ASSEMBLIES	-	-	6
						-25	-	BIG SLIDE	6061	1in. x 3in. x 3-5/8in.	6
						-27	-	SMALL SLIDE	6061	1in. x 2-1/4in. x 3-5/8in.	6
						-29	-	FLAT HEAD MACHINE SCREW	S.S.	M6x1 x 12mm MCMaster-CARR #91430A419	6
						-31	-	SLIDE KNOB	PLASTIC, BRASS INSERT	J.W. WINCO #6NEBC	6
						-	-		-	-	
						-33	2	CLAMP ASSEMBLY	-	-	7
						-35	-	CLAMP TOP	6061	5/8in. x 1-3/4in. x 5in.	7
						-37	-	DRAW BOLT	304 S.S.	Ø 9/16in. x 2-3/4in. OR ALTERNATE WELDED BOLT	8
						-39	-	STRAP	304 S.S.	16ga. x 9/16in. x 6-5/16in.	8
						-41	-	KNOB BLANK	CAST IRON	J.W. WINCO #C54/A	8
						-43	-	HEX HEAD CAP SCREW	S.S.	M4x0.7 x 8mm MCMaster-CARR #91287A111	7
						-45	-	HEX HEAD CAP SCREW	S.S.	M5x0.8 x 8mm MCMaster-CARR #91287A119	7
						-	-		-	-	
						-47	3	BUNGEE CORD	RUBBER	24" X 13/32 MCMaster-CARR #8835T24	N/S
						-49	1	HARD CASE	PLASTIC	PELICAN APP-1600-E	N/S
						-51	1	TOOL CUSHION	Y-20, BLACK	6-3/16 X 16-7/8 X 21-7/8 I.R. SPECIALTIES	9
						-53	1	RB PLACARD	-	RB41009	N/S
						-55	1	TOP TOOL CUSHION	Y-20, BLACK	1-7/8 X 16-7/8 X 21-7/8 I.R. SPECIALTIES	10

ASSY  
-33

ASSY  
-23

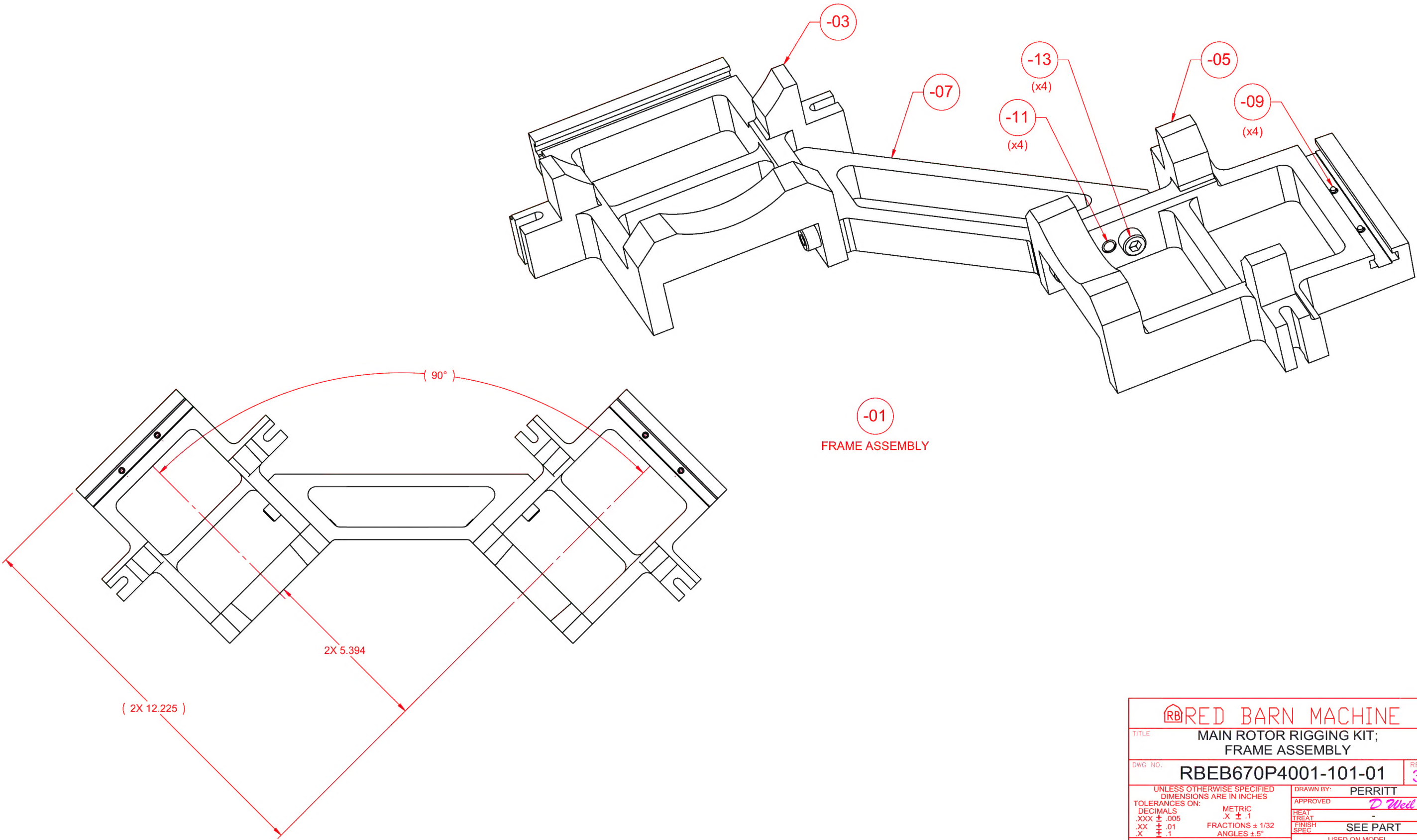
ASSY  
-15


ASSY  
-01

 RED BARN MACHINE	
TITLE <b>MAIN ROTOR RIGGING KIT</b>	
DWG NO. <b>RBEB670P4001-101</b>	REV <b>3</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	METRIC X ± 1 FRACTIONS ± 1/32 ANGLES ± 5°
DRAWN BY: <b>PERRITT</b>	
APPROVED: 	
HEAT TREAT: <b>-</b>	
FINISH SPEC: <b>SEE PART</b>	
USED ON MODEL <b>EUROCOPTER EC145</b>	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE <b>NTS</b>	DATE <b>11-11-09</b>
SHEET <b>1 of 10</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED FROM METRIC DIMENSIONS TO INCHES. ADDED TOP VIEW FOR INSPECTION.	7/28/11	JAG	SE



 **RED BARN MACHINE**

**TITLE**  
MAIN ROTOR RIGGING KIT;  
FRAME ASSEMBLY

**DWG NO.**  
RBEB670P4001-101-01

**REV**  
3

**UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES**

**TOLERANCES ON:**  
DECIMALS  
.XXX ± .005  
.XX ± .01  
.X ± .1

**METRIC**  
X ± 1  
FRACTIONS ± 1/32  
ANGLES ± 5°

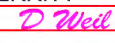
**UNLESS OTHERWISE SPECIFIED**  
1. BREAK ALL SHARP EDGES  
.015 x 45° PR .015 R  
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

**SCALE**  
NTS

**DATE**  
11-11-09

**SHEET**  
2 of 10

**DRAWN BY:**  
PERRITT

**APPROVED**  


**HEAT TREAT**  
-

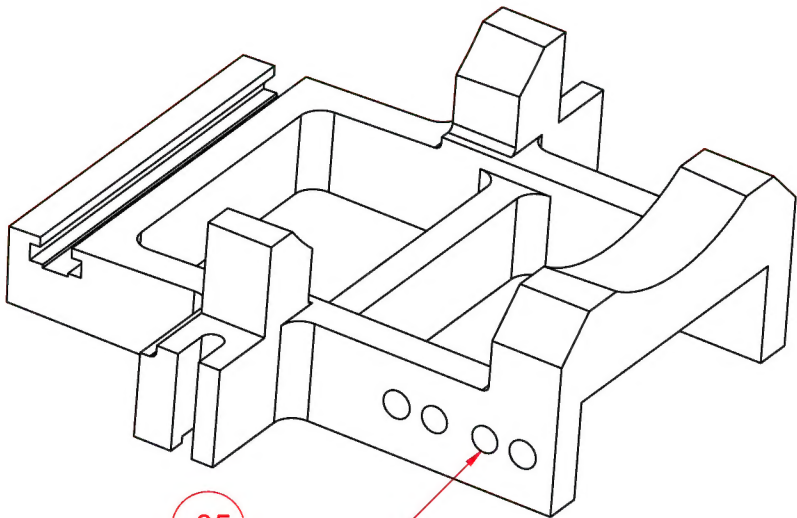
**FINISH SPEC**  
SEE PART

**USED ON MODEL**  
EUROCOPTER EC145



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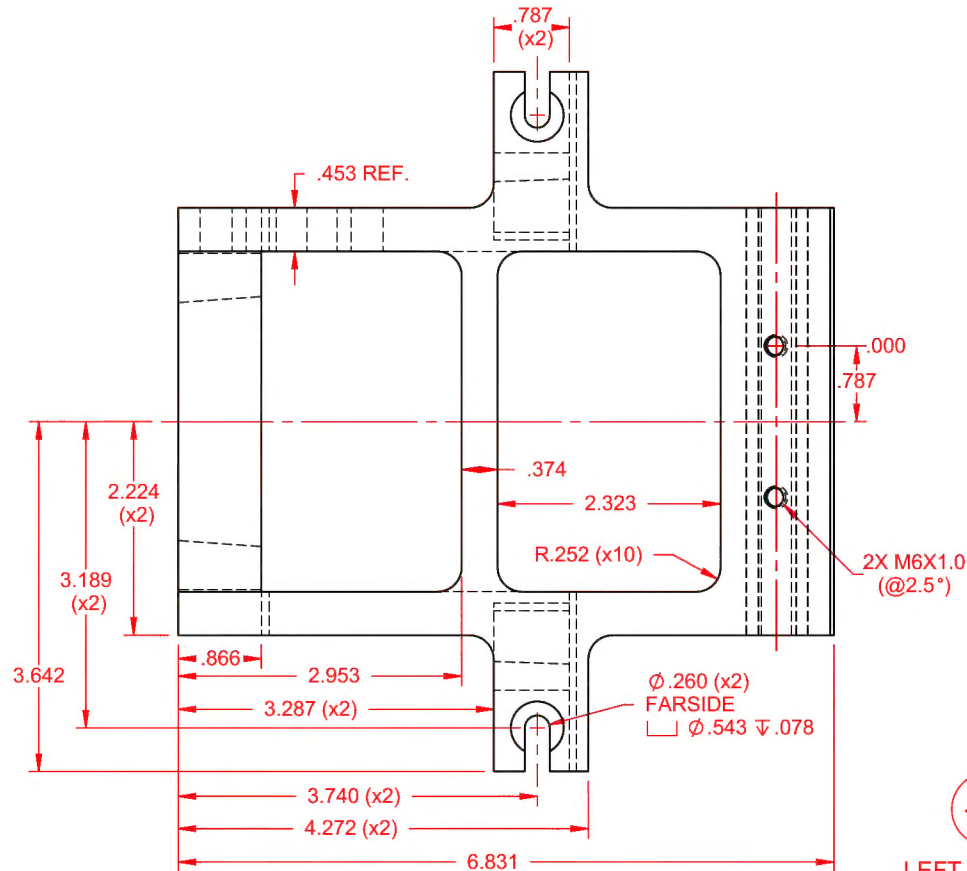
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	MODIFIED 2 RADII FROM R62 TO R62.5, R80.5 TO R81. RADII CENTERLINE IS ANGLED. CHANGED FROM METRIC DIMENSIONS TO INCHES	7/27/11	JAG	SE



-05

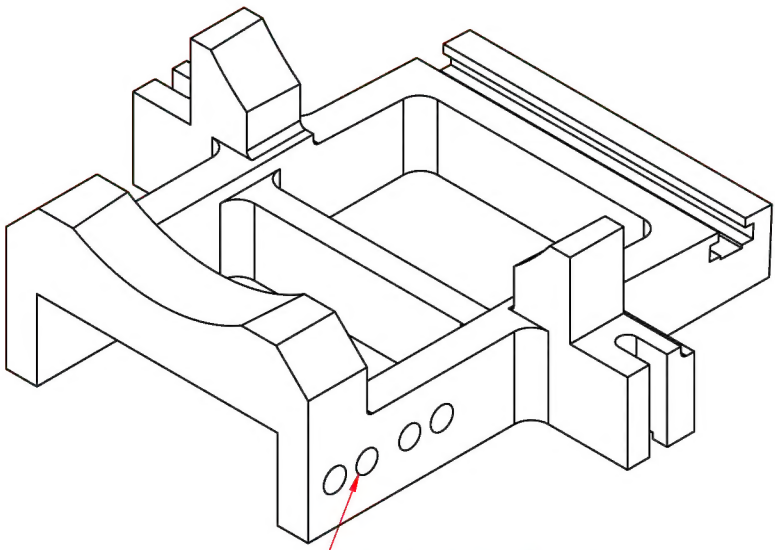
RIGHT FRAME  
SAME AS LEFT FRAME  
EXCEPT FOR MOUNTING HOLES  
RED ANODIZE MIL-A-8625, TYPE I, CLASS I

NOTE HOLES ON OPPOSITE  
SIDE FROM -03 LEFT FRAME

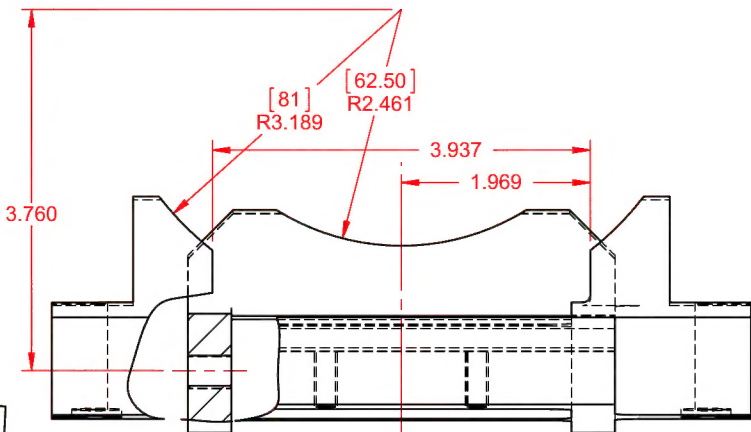
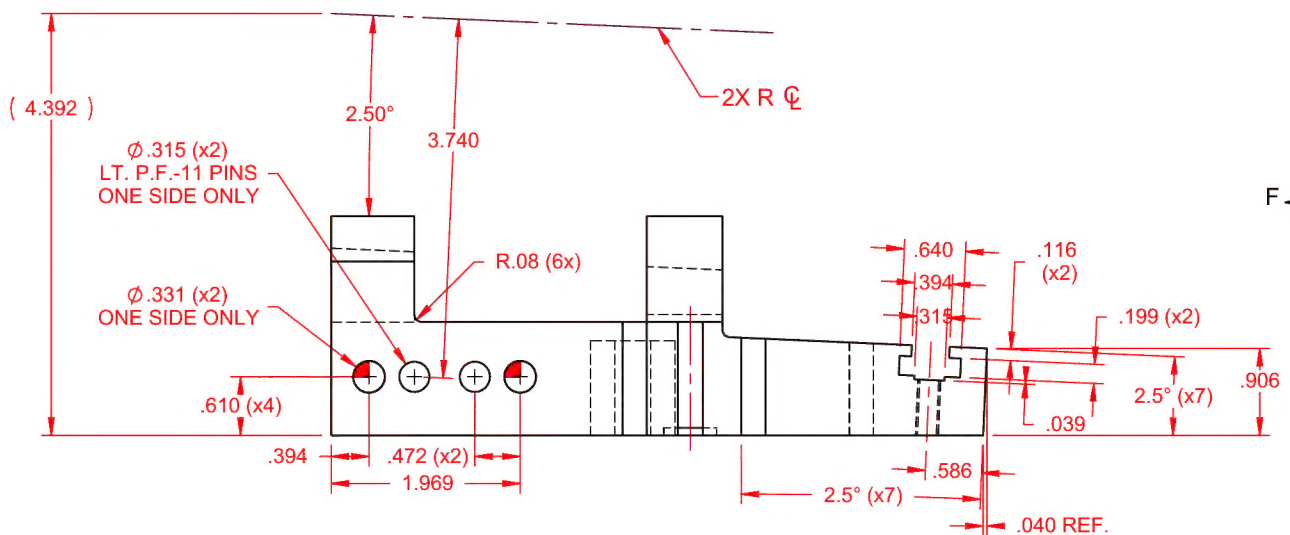
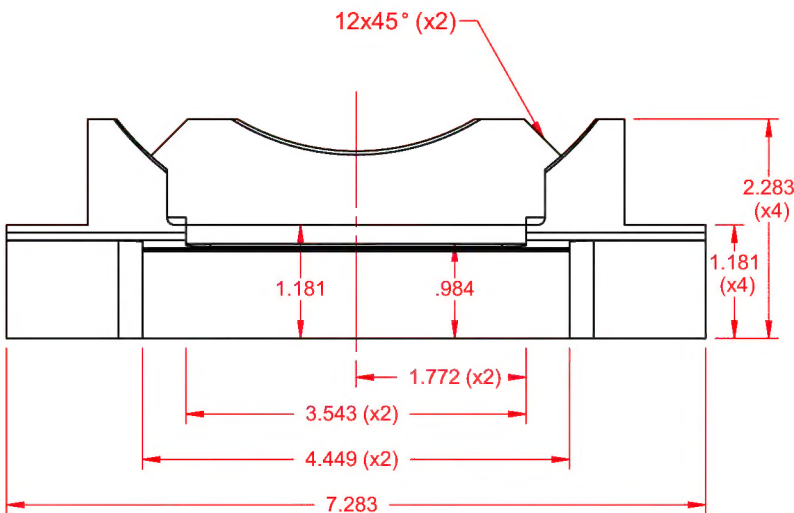


-03

LEFT FRAME  
RED ANODIZE  
MIL-A-8625, TYPE I, CLASS I



NOTE HOLES ON OPPOSITE  
SIDE FROM -5 RIGHT FRAME



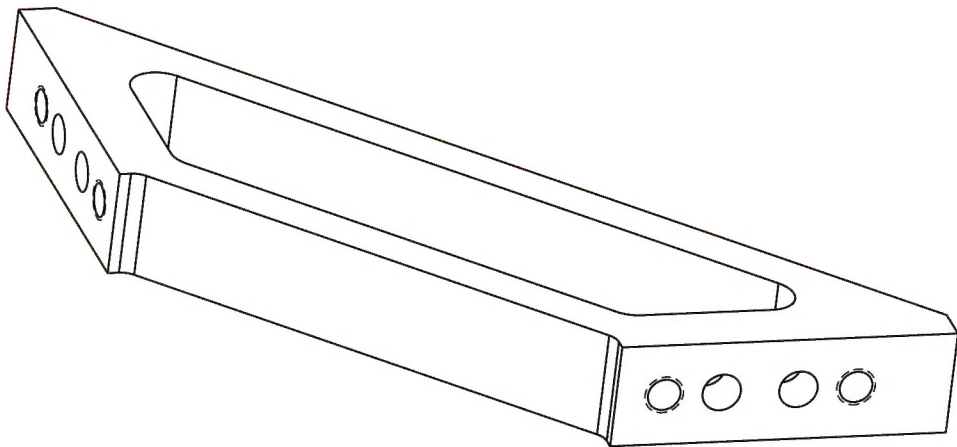
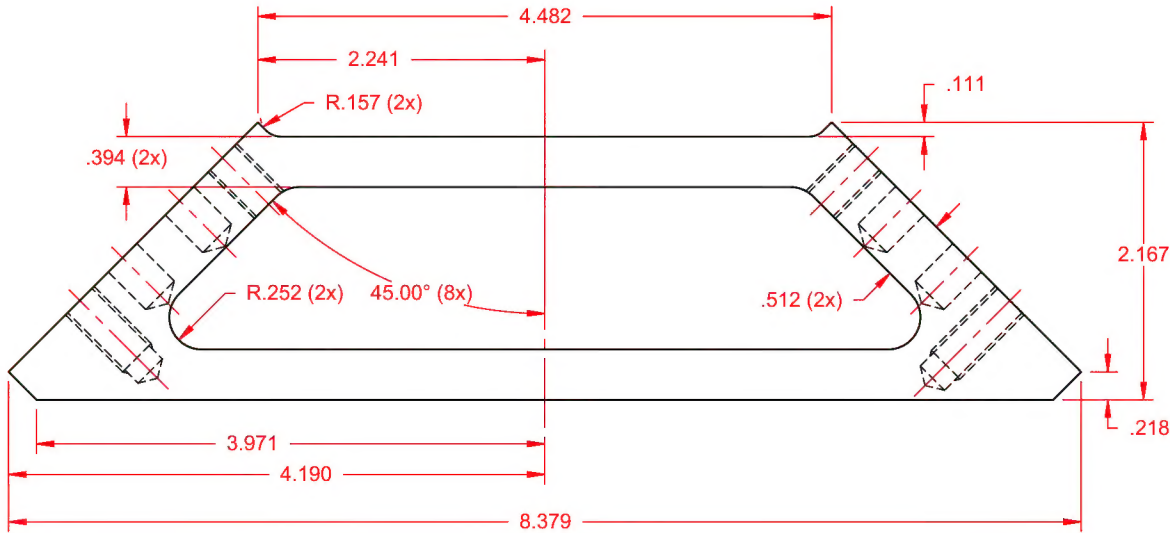
VIEW F-F  
VIEW ROTATED 2.5°

NOTES  
1. MOUNTING HOLES ARE THE ONLY DIFFERENCES  
BETWEEN -03 LEFT SIDE AND -05 RIGHT SIDE.

<div><div>RB</div>RED BARN MACHINE</div>				
TITLE MAIN ROTOR RIGGING KIT; LEFT & RIGHT FRAMES				
DWG. NO. RBEB670P4001-101-03 & 05				REV 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DRAWN BY: PERRITT	
TOLERANCES ON:			APPROVED: <i>D Weil</i>	
DECIMALS		METRIC	HEAT TREAT	
.XXX ± .005		X ± .1	-	
.XX ± .01		FRACTIONS ± 1/32	FINISH SPEC	
.X ± .1		ANGLES ± 25°	SEE PART	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING			USED ON MODEL EUROCOPTER EC145	
SCALE NTS		DATE 11-11-09		SHEET 3 of 10

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED FROM METRIC DIMENSIONS TO INCHES	7/28/11	JAG	SE
3	CH'D -07 BOLT HOLES FROM M5x1 (x4) PER R.W.	3/9/12	RJC	SE

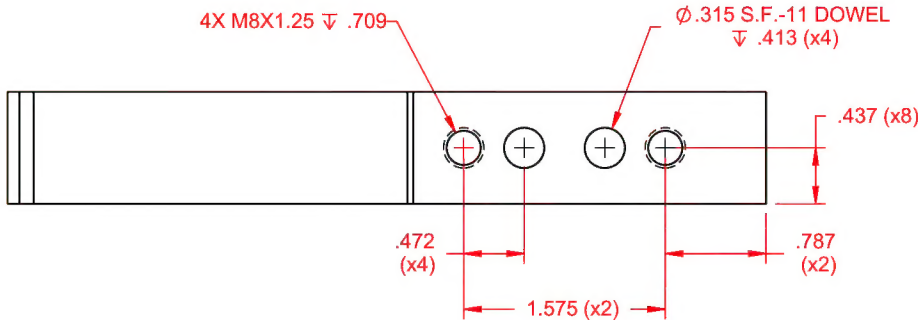


-07

FRAME CONNECTOR  
RED ANODIZE  
MIL-A-8625, TYPE I, CLASS I



ENGRAVE TOOL No.,  
SERIAL No., AND  
"MADE IN USA", TO FIT.

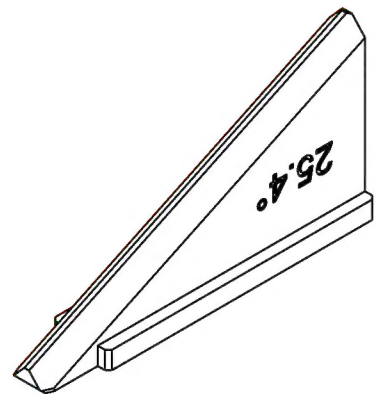


<b>RED BARN MACHINE</b>	
TITLE MAIN ROTOR RIGGING KIT; FRAME CONNECTOR	
DWG NO. RBEB670P4001-101-07	REV 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS .XXX $\pm$ .005 .XX $\pm$ .01 .X $\pm$ .1	APPROVED <i>D. Weil</i>
METRIC X $\pm$ 1 FRACTIONS $\pm$ 1/32 ANGLES $\pm$ 5°	HEAT TREAT - FINISH SPEC SEE PART
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL EUROCOPTER EC145
SCALE NTS	DATE 11-11-09
SHEET 4 of 10	

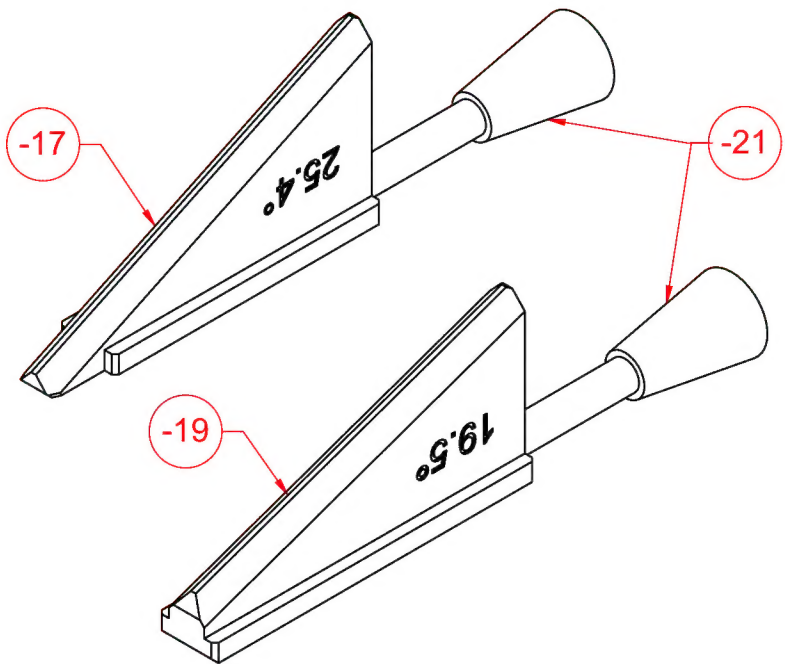
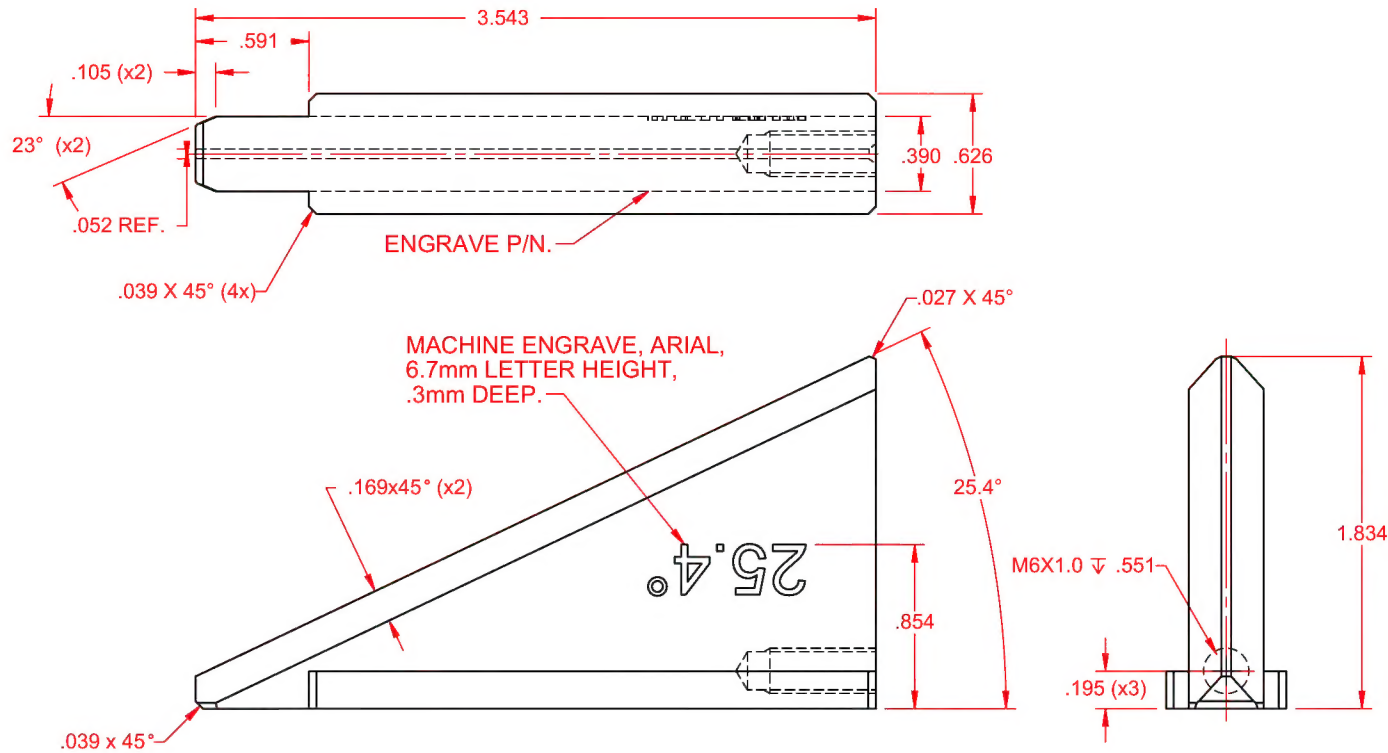


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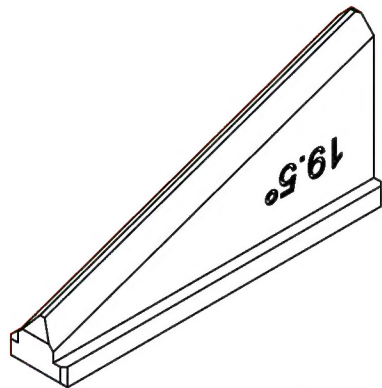
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED FROM METRIC DIMENSIONS TO INCHES	7/28/11	JAG	SE
3	ADDED -17 & -19 1 x 45° CHAMFER TO END PER G.E.	3/9/12	RJC	SE



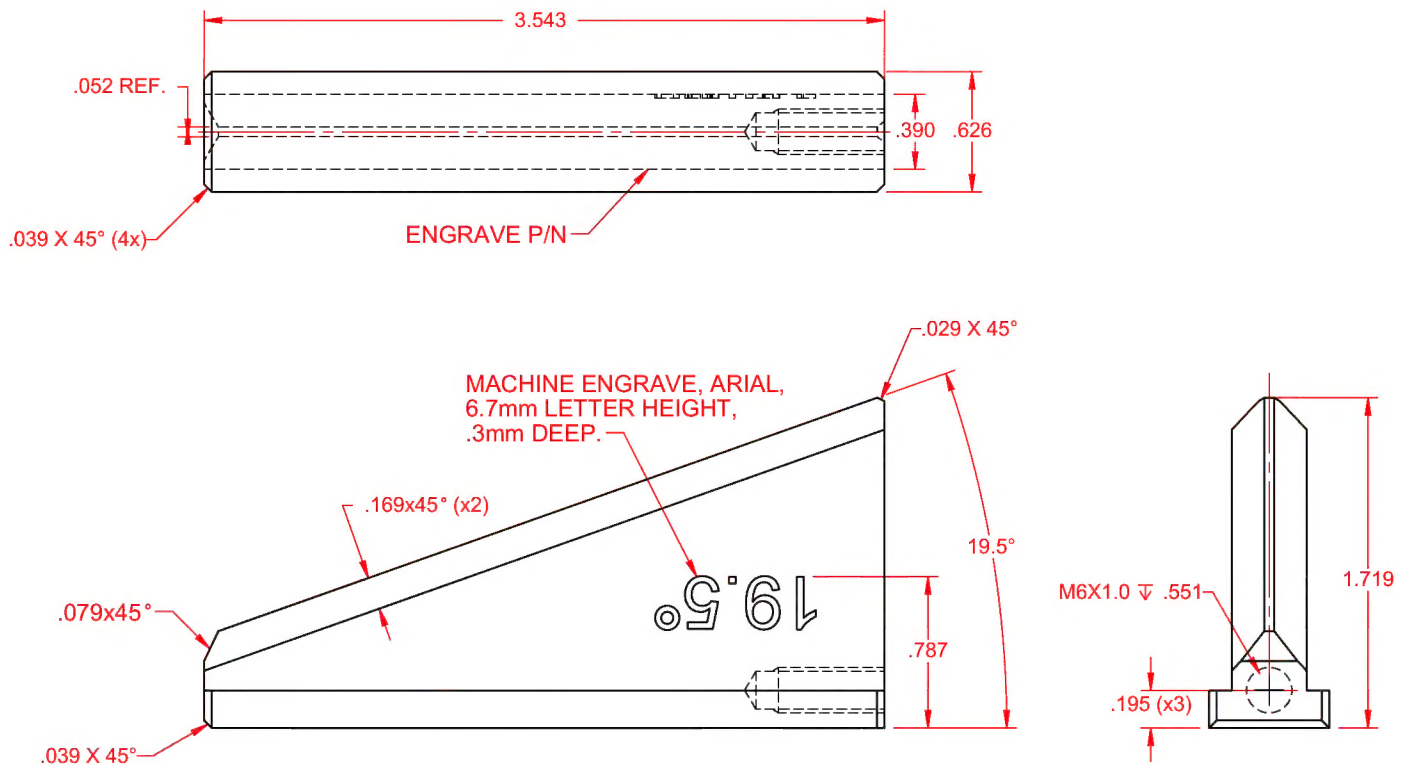
-17  
25.4° WEDGE  
CLEAR ANODIZE  
MIL-A-8625, TYPE I, CLASS I



-15  
WEDGE ASSEMBLIES

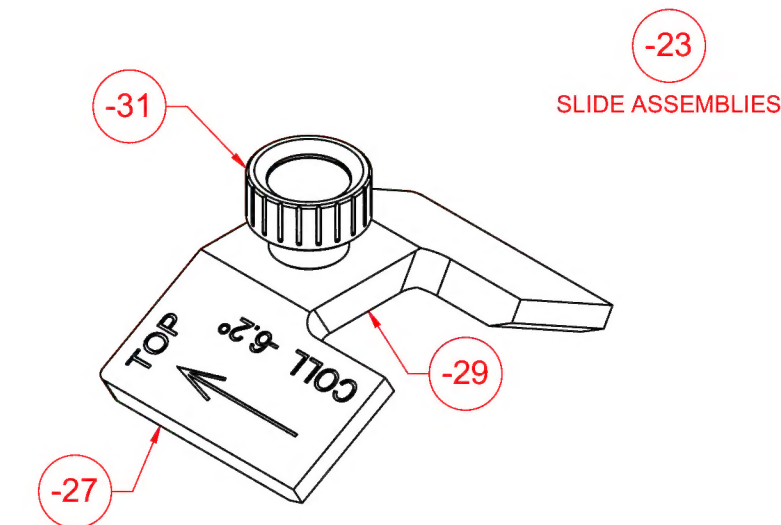
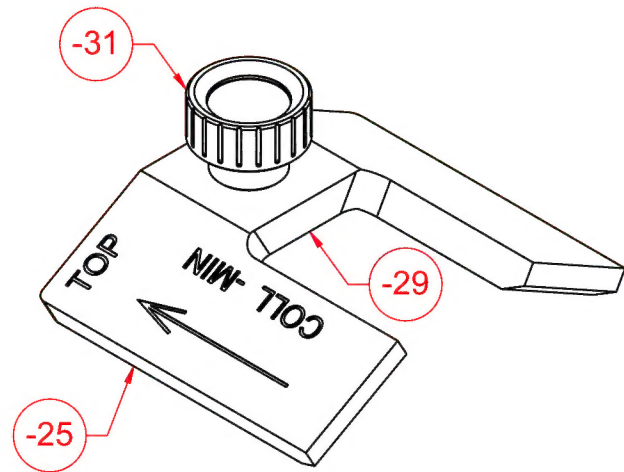
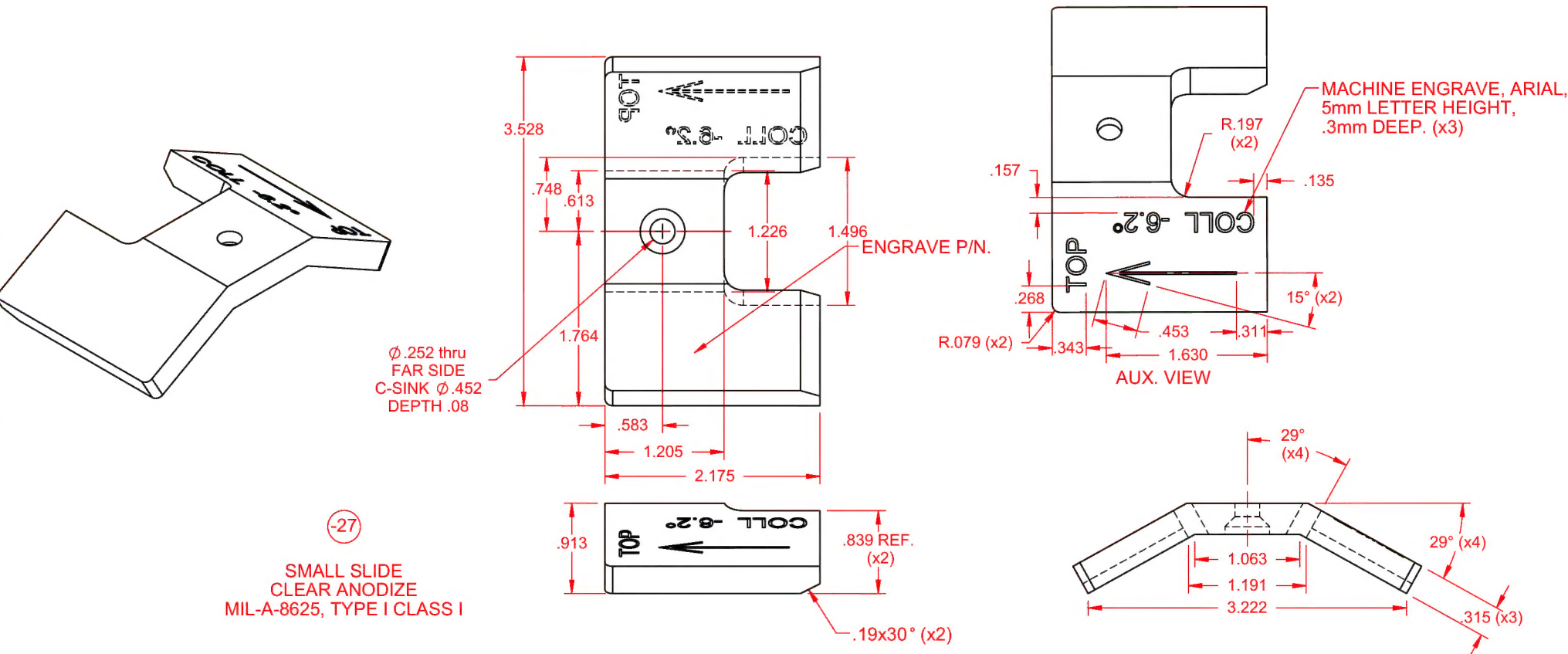
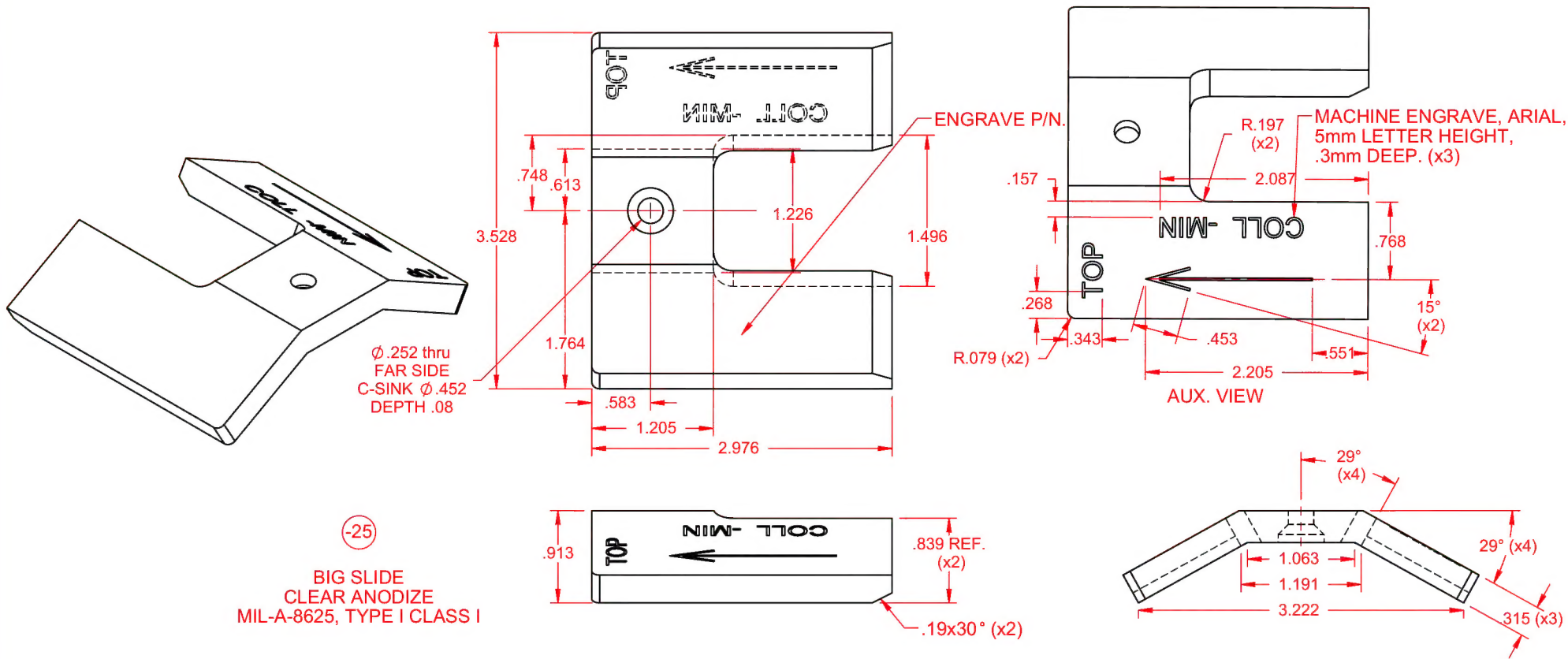


-19  
19.5° WEDGE  
CLEAR ANODIZE  
MIL-A-8625, TYPE I, CLASS I



RED BARN MACHINE				
TITLE MAIN ROTOR RIGGING KIT; WEDGE ASSEMBLIES & PARTS				
DWG NO.	RBEB670P4001-101-15 thru 21			REV 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT		
TOLERANCES ON:		APPROVED: D Weil		
DECIMALS .XXX ± .005		HEAT TREAT -		
.XX ± .01		FINISH SPEC SEE PART		
.X ± .1		USED ON MODEL EUROCOPTER EC145		
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SCALE NTS		
DATE 11-11-09		SHEET 5 of 10		

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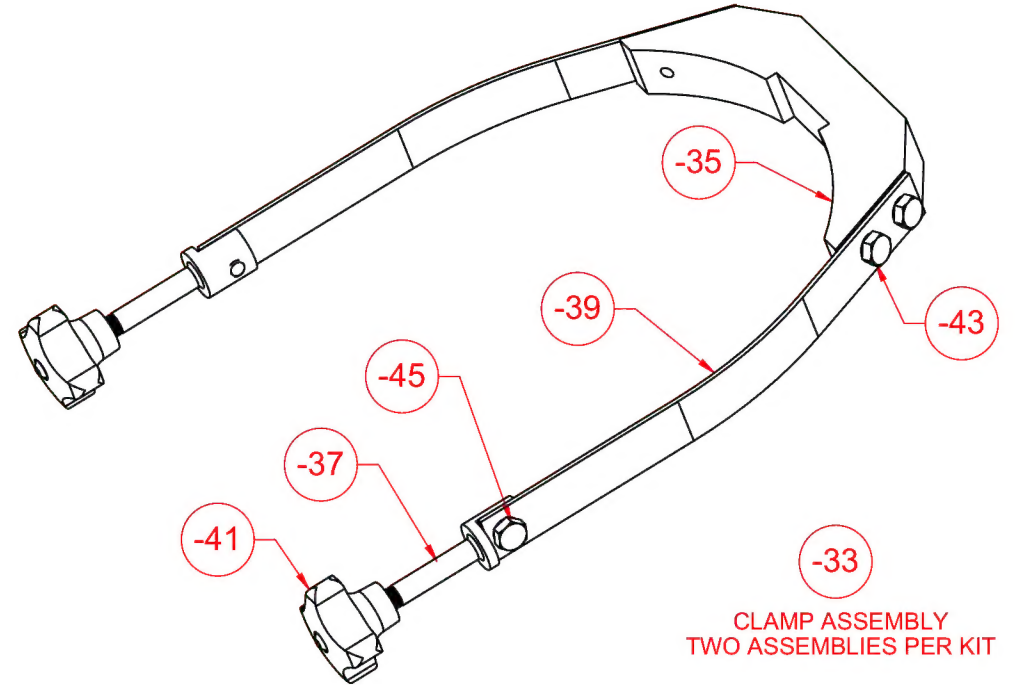
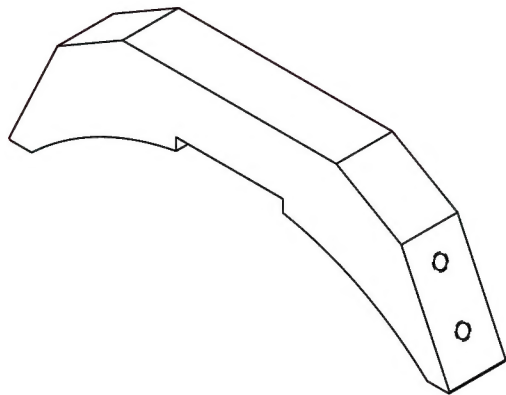
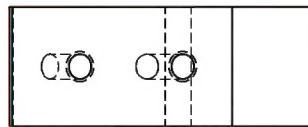
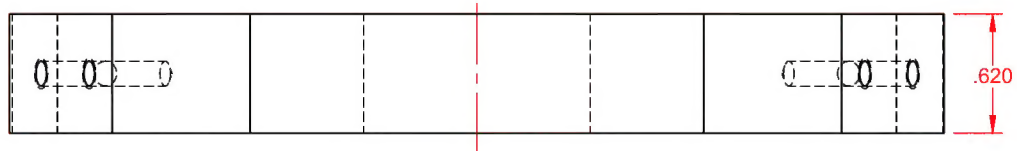
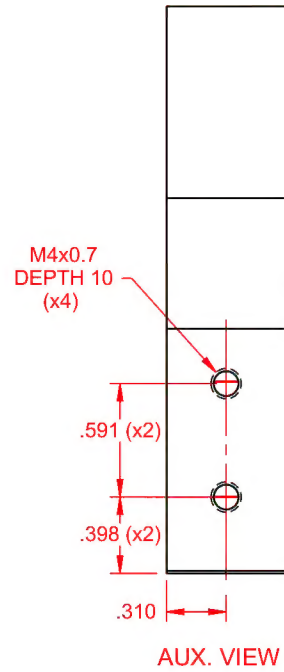
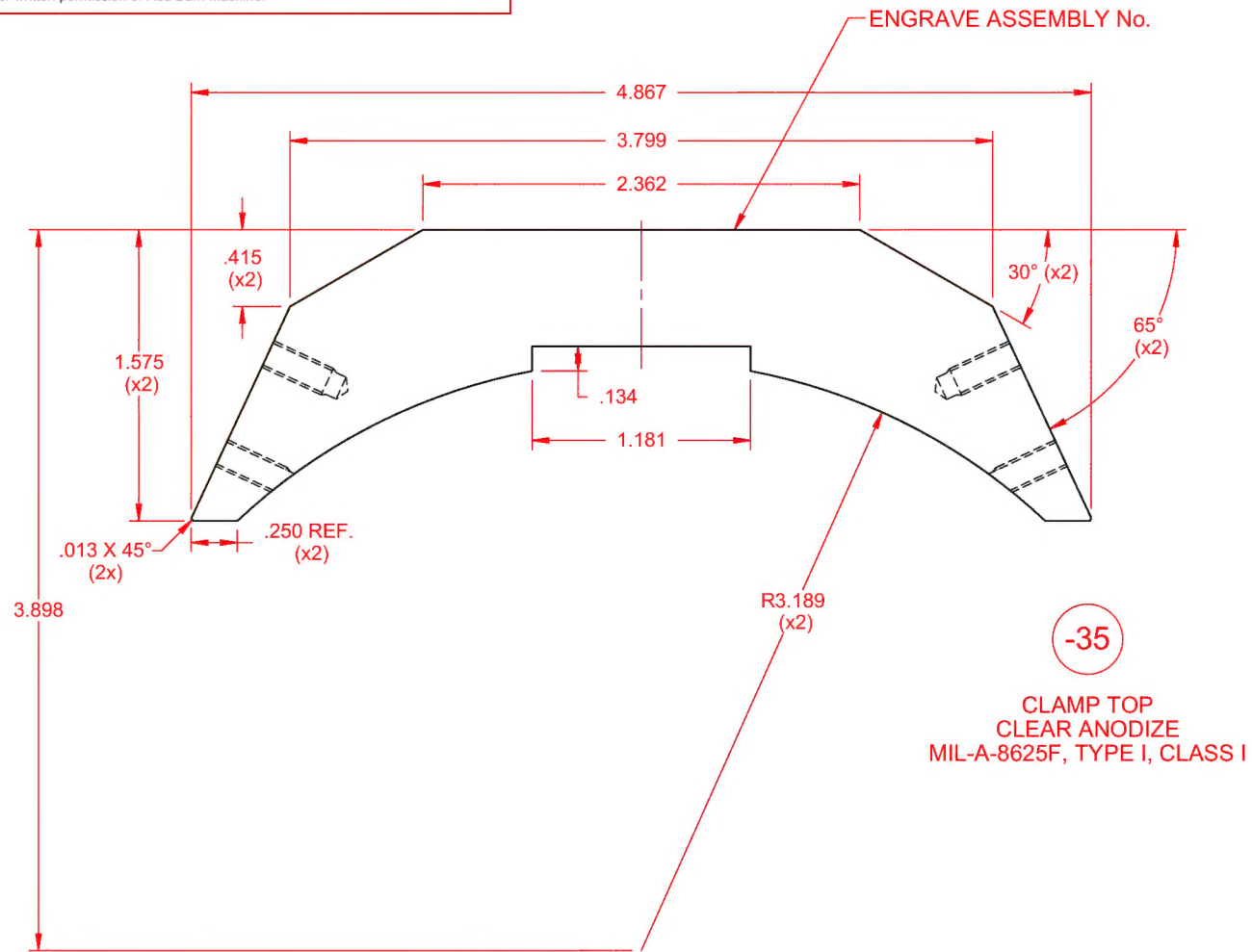
NOTES  
1. BOTH SLIDES ARE THE SAME EXCEPT FOR LENGTH AND LETTERING.

REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
2	CHANGED FROM METRIC DIMENSIONS TO INCHES	7/27/11	JAG SE

RED BARN MACHINE	
TITLE MAIN ROTOR RIGGING KIT; SLIDE ASSEMBLIES & PARTS	
DWG. NO. RBEB670P4001-101-23 thru 31	REV 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON:	APPROVED: D Weil
DECIMALS .XXX ± .005	HEAT TREAT -
.XX ± .01	FINISH SPEC SEE PART
.X ± .1	USED ON MODEL EUROCOPTER EC145
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE NTS
DATE 11-11-09	SHEET 6 of 10



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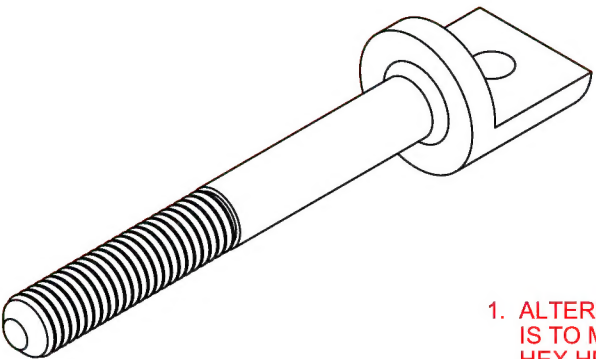
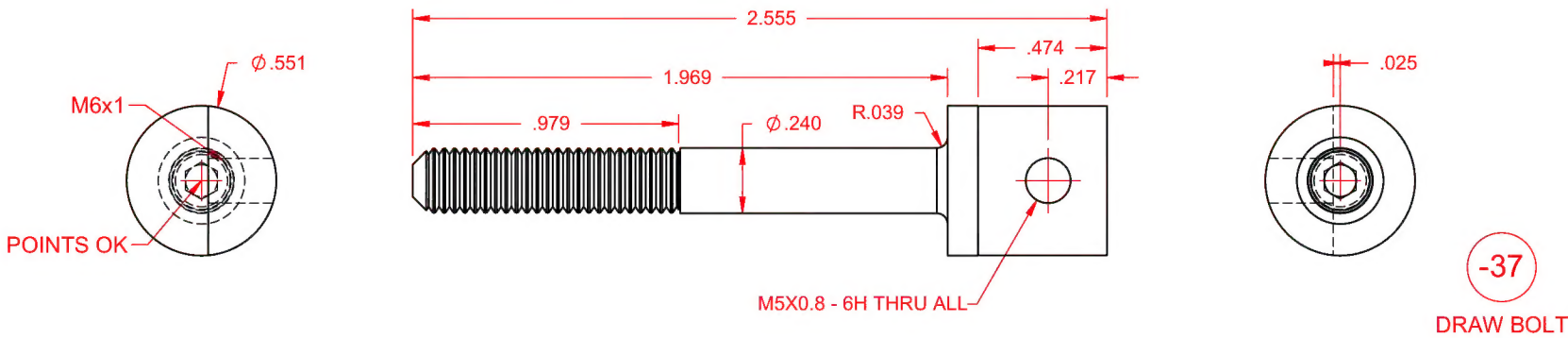


REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED FROM METRIC DIMENSIONS TO INCHES	7/28/11	JAG	SE

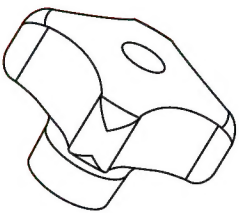
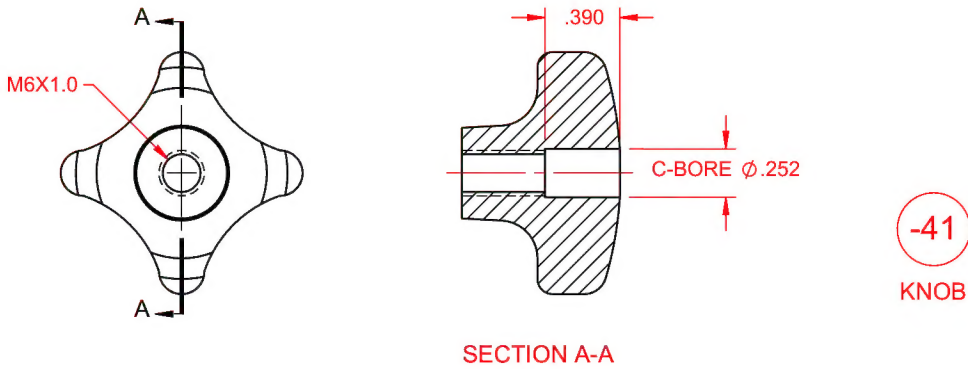
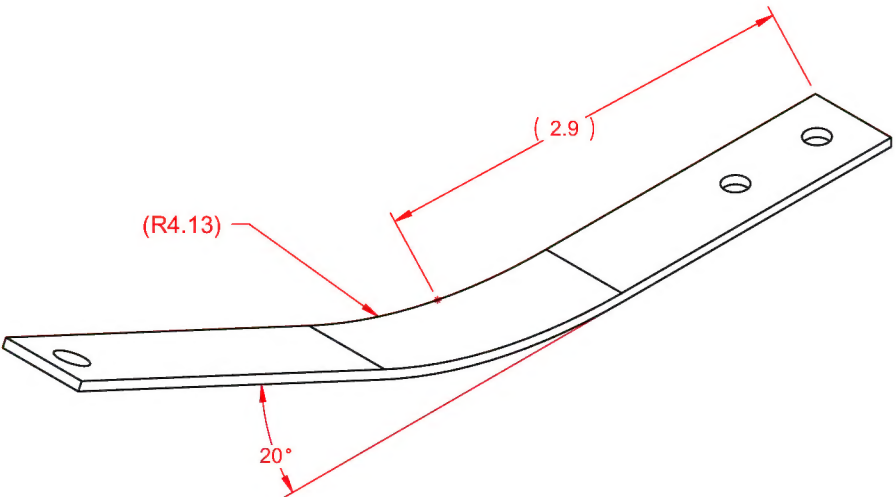
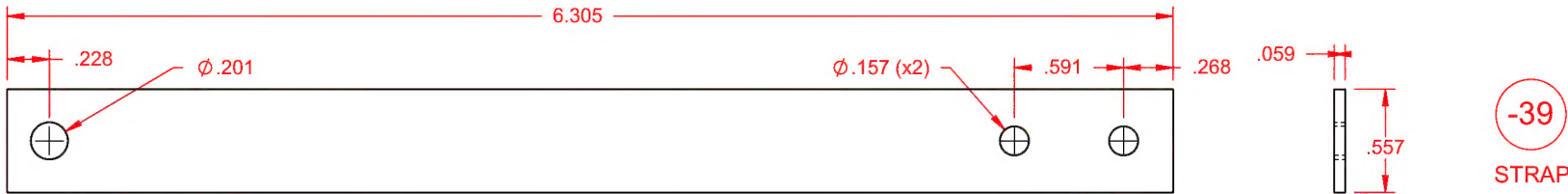
<b>RED BARN MACHINE</b>	
TITLE MAIN ROTOR RIGGING KIT; CLAMP ASSEMBLY AND PARTS	
DWG. NO. RBEB670P4001-101-33 & 35	REV 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON:	APPROVED: <i>D. Weil</i>
DECIMALS .XXX ± .005	METRIC X ± 1
.XX ± .01	FRACTIONS ± 1/32
.X ± .1	ANGLES ± 5°
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	HEAT TREAT -
SCALE NTS	DATE 11-11-09
SHEET 7 of 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED FROM METRIC DIMENSIONS TO INCHES	7/28/11	JAG	SE
3	ADDED -37 HOLE CALL OUT M5x.8 PER G.E.	3/9/12	RJC	SE



- NOTES
1. ALTERNATE METHOD FOR CREATING -37 IS TO MACHINE A SLOT THROUGH A M6x1x50mm HEX HEAD CAP SCREW AND WELD -39 STRAP INTO THE GROOVE.

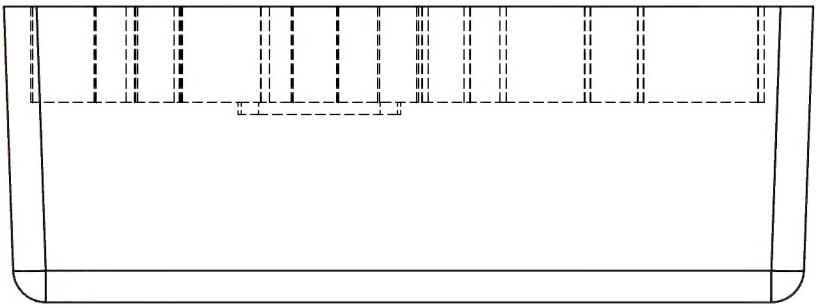
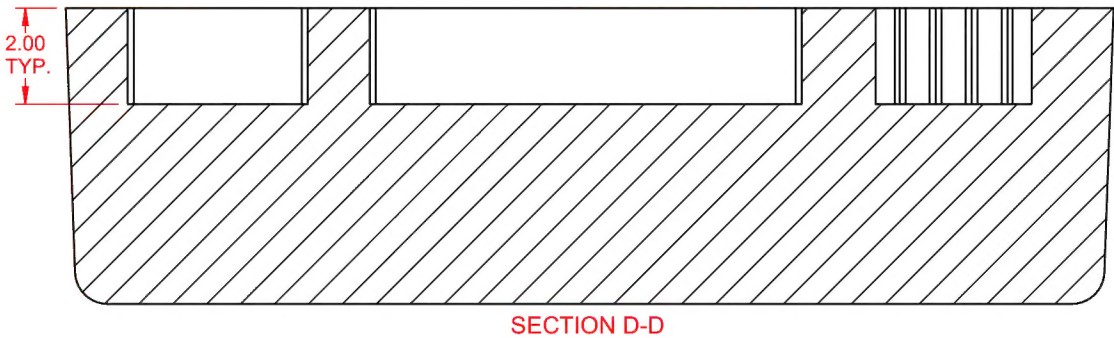
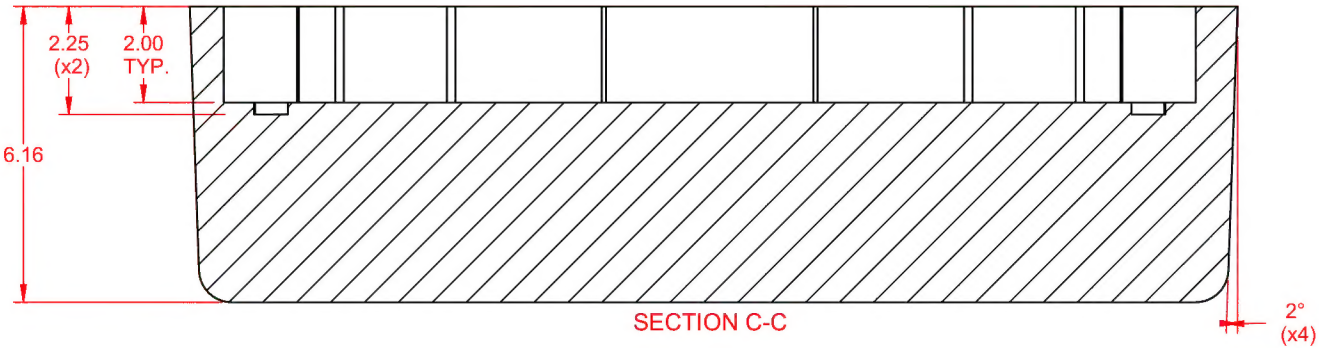
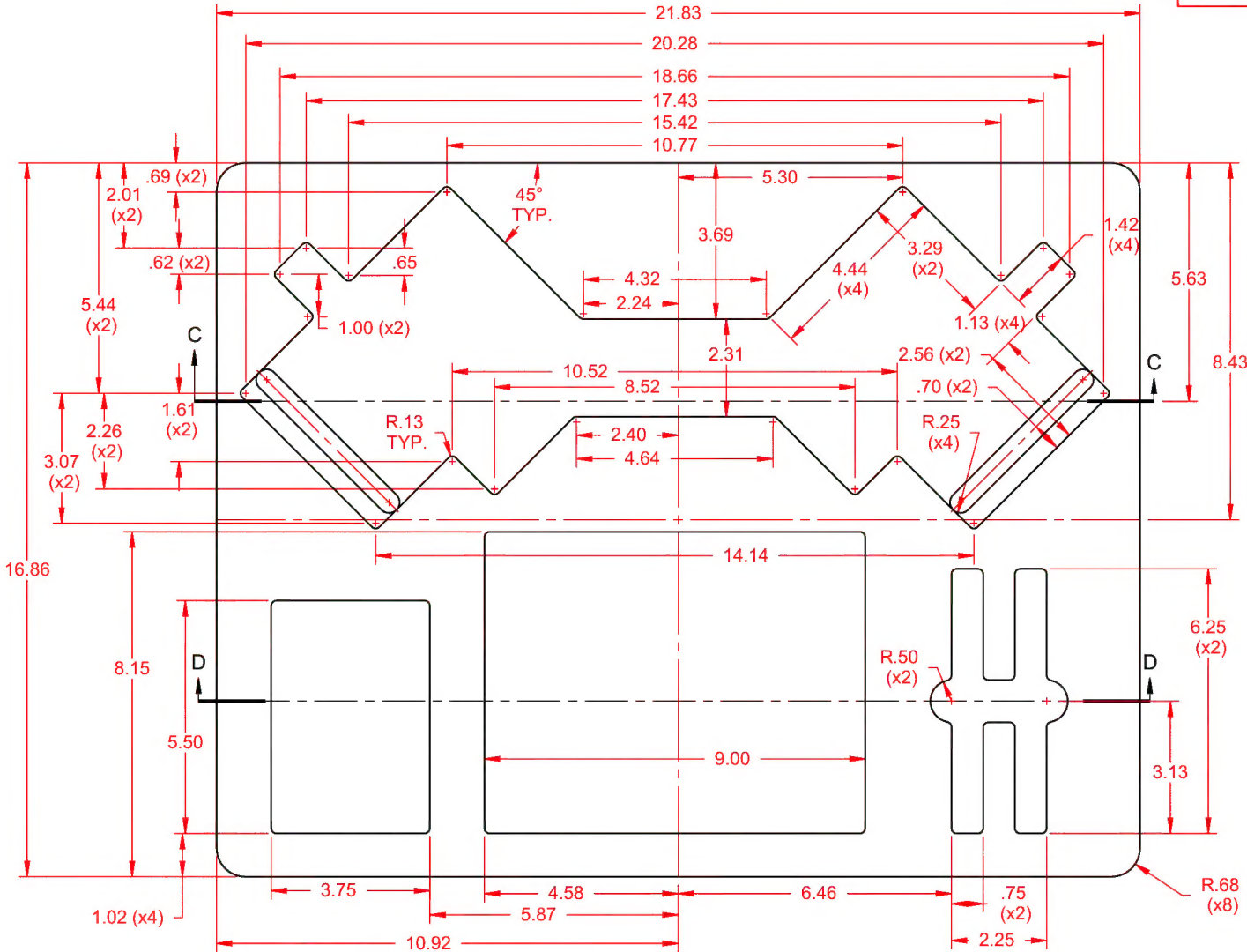


RED BARN MACHINE				
TITLE MAIN ROTOR RIGGING KIT; CLAMP ASSEMBLY PARTS				
DWG. NO.	RBEB670P4001-101-37 thru 41			REV 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT		
TOLERANCES ON:		APPROVED <i>D. Weil</i>		
DECIMALS .XXX ± .005		HEAT TREAT -		
.XX ± .01		FINISH SPEC SEE PART		
.X ± .1		USED ON MODEL EUROCOPTER EC145		
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING				
SCALE	NTS	DATE	11-11-09	SHEET 8 of 10



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	SHT. 9 UPDATED EXTERIOR DIMS.	6/3/2011	JAG	



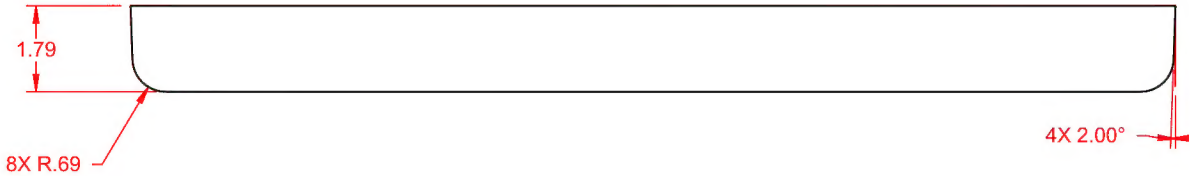
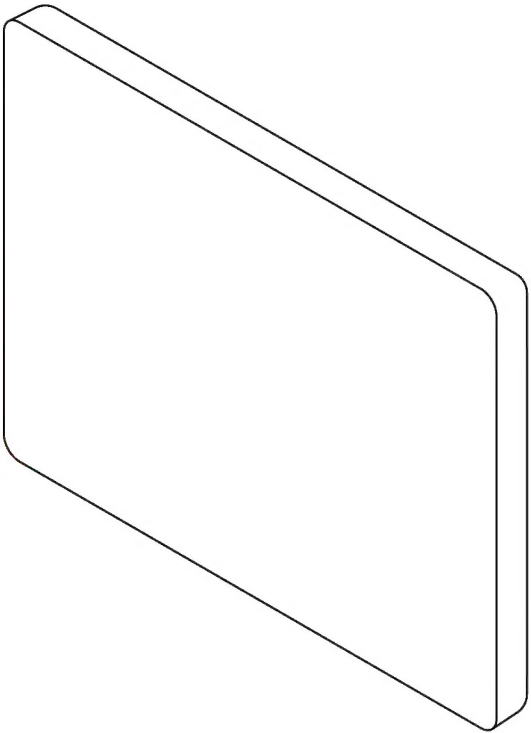
(-51)

TOOL CUSHION

RED BARN MACHINE				
TITLE		MAIN ROTOR RIGGING KIT; TOOL CUSHION		
DWG. NO.	RBEB670P4001-101-51			REV 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT		
TOLERANCES ON:		APPROVED <i>D. Weil</i>		
DECIMALS		HEAT TREAT -		
.XXX ± .005		FINISH SPEC SEE PART		
.XX ± .01		USED ON MODEL EUROCOPTER EC145		
.X ± .1		UNLESS OTHERWISE SPECIFIED		
1. BREAK ALL SHARP EDGES		SCALE NTS		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DATE 11-11-09		SHEET 9 of 10

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	SHT. 10 ADDED TOP TOOL CUSHION	6/3/2011	JAG	



-53

TOP TOOL CUSHION

RED BARN MACHINE			
TITLE	MAIN ROTOR RIGGING KIT; TOP TOOL CUSHION		
DWG NO.	RBEB670P4001-101-53	REV	3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY:	GILBERT
TOLERANCES ON:		APPROVED	<i>D Weil</i>
DECIMALS		HEAT	
.XXX ± .005		TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
UNLESS OTHERWISE SPECIFIED		USED ON MODEL	
1. BREAK ALL SHARP EDGES		EUROCOPTER EC145	
.015 x 45° PR .015 R			
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	1:4	DATE	11/11/2009
		SHEET 10 OF 10	